

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S2	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24
S3	466007	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:03
S4	578837	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:54
S5	2183327	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:04
S6	4716010	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S7	16244	S3 same S4 same S5 same S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:07
S8	3347612	data information	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:07
S9	11155	S3 same S4 same S5 same S8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:50
S10	11	S9 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:50
S11	600949	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S12	466007	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S13	578837	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:52
S14	31479	S11 same S12 same S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:24
S15	183	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24

S16	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24
S17	68	(S15 S16) and (S11 same S12 same S13)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:24
S18	1	("20020024153").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 13:54
S19	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S20	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S21	469298	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S22	582890	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S23	2196597	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:49
S24	4740744	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S25	16374	S21 same S22 same S23 same S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:50
S26	3368801	data information	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S27	11252	S21 same S22 same S23 same S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S28	11	S27 and S20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S29	606603	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S30	469298	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S31	582890	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S32	31726	S29 same S30 same S31	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S33	189	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42

S34	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S35	69	(S33 S34) and (S29 same S30 same S31)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S36	1	("20020024153").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S37	3176433	speed rate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:41
S38	15691	S21 same S22 same S23 same S24 same S37	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:53
S39	60	S38 and (S33 S34)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:52
S40	1	("6538965").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:50
S41	1781419	record\$3 writ\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:51
S42	8417	S41 same S21 same S22 same S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:51
S43	42198	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:51
S44	1261	S42 and S43	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:52
S45	55	S42 and (S33 S34)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:01
S46	38259	decoder same (speed rate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:01
S47	16	S45 and S46	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:50
S48	3	AT1P near2 PLL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:50
S51	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S52	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18

S53	2281475	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S54	5174164	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S55	17098	S51 same S52 same S53 same S54	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S56	641486	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S57	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S58	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S59	33223	S56 same S57 same S58	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S60	206	(369/47.48).CQLS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:18
S61	87	(369/47.46).CQLS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:18
S64	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S65	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S66	641486	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S67	1115	(spindle near2 motor) same (clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S68	43875	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:28
S69	705	S67 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:28
S70	401	(spindle near2 motor) near10 (clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:28
S71	267	S70 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40

S72	111323	transmission near2 (speed rate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S73	3	S67 same S72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S74	80067	((servo spindle) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S75	218755	(clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S76	803	clock same (PLL (phase near2 locked near2 loop)) same ((spindle servo) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:53
S77	609440	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:54
S78	63849	decod\$3 same (ID identif \$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S79	75	S76 and S77 and S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S80	38	S76 same S77 and S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 18:16
S81	1	S76 same S77 same S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S82	8	wobbl\$3 near10 (transmission near2 (speed velocity))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 18:17
S83	819	clock same (PLL (phase near2 locked near2 loop)) same ((spindle servo) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:46
S84	620548	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S85	65511	decod\$3 same (ID identif \$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S86	38	S83 same S84 and S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05

S87	75	S83 and S84 and S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S88	1	S83 same S84 same S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S89	8	wobbl\$3 near10 (transmission near2 (speed velocity))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S90	60835	((satellite cable tv tuner near2 box) ((channel frequency) near2 (reciever receiver))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:56
S91	153195	(without "no" "not") adj5 (buffer\$3 stor\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S92	110	S90 same S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:23
S93	1327	optical\$3 same (writ\$3 record\$3) same S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:33
S94	9	optical\$3 near (writ\$3 record\$3) near S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:24
S95	341	optical\$3 near (writ\$3 record\$3) same S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S96	93895	(without "no") adj3 (buffer \$3 stor\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S97	139	optical\$3 near (writ\$3 record\$3) same S96	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S98	1446	clock same S84 same (transmission near (speed rate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:50
S99	360	clock near S84 same (transmission near (speed rate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:51
S101	12	clock near S84 near (transmission near (speed rate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:54
S102	4594	go.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:54
S103	334	record\$3 and S102	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:55

S104	44616	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/02/16 15:55
S105	45	S103 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:55
S106	421	(369/47.28).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S107	55	(369/47.41).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S108	89	(369/47.46).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S109	207	(369/47.48).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S110	24802	channel near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:50
S111	5749	external near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:18
S112	131830	external near2 (signal input)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:18
S113	934535	sync\$9 clock	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:19
S114	29854	(S110 S111 S112) same S113	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:19
S115	27	S114 and (S106 S107 S108 S109)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:19
S116	232769	(channel frequenc\$6) near2 (receiv\$3 demodulat \$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S117	459	(369/47.28).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S118	59	(369/47.41).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S119	91	(369/47.46).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S120	216	(369/47.48).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S121	26543	channel near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S122	6258	external near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52

S123	140391	external near2 (signal input)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S124	981129	sync\$9 clock	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S125	31607	(S121 S122 S123) same S124	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S126	28	S125 and (S117 S118 S119 S120)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:53
S127	211412	(clock timing sync\$10) near2 generat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:55
S128	5141	S116 same S127	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:56
S129	40597	spindle adj2 motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:55
S130	15	S116 same S127 same S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:05
S131	1	("6742182").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/04 18:01
S134	265492	((satellite cable tv tuner set) near2 box) ((channel frequency) near2 (reciev \$3 receiv\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:05
S135	14	S134 same S127 same S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:17
S136	0	external adj frequency adj receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:16
S137	194770	video near2 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:16
S138	40	S137 same S127 same S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:24
S139	39	S137 same S127 same S129 and (record\$3 writ \$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:24
S140	219	(369/47.48).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/03/05 14:12
S141	23587	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/03/05 14:25



S142	31	S140 AND S141	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/05 14:26
S143	1	("5809006").PN.	US-PGPUB; USPAT	OR	OFF	2008/03/05 15:31
S144	223	(369/47.48).CCL.S.	US-PGPUB; USPAT	OR	OFF	2008/10/13 22:12
S145	25444	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/10/13 22:12
S146	31	S144 AND S145	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:12
S147	229179	(clock timing sync\$10) near2 generat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:12
S148	44925	spindle adj2 motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:12
S149	211018	video near2 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:12
S150	39	S149 same S147 same S148 and (record\$3 writ \$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:12
S151	260648	(channel frequenc\$6) near2 (receiv\$3 demodulat \$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:13
S152	15	S151 same S147 same S148	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/13 22:13
S153	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/20 09:40
S154	1	S153 and (speed near2 interface)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/03/20 09:40
S155	236543	(clock timing sync\$10) near2 generat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/03/20 09:42
S156	46572	spindle adj2 motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/03/20 09:42
S157	271913	(channel frequenc\$6) near2 (receiv\$3 demodulat \$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/03/20 09:42
S158	18	S157 same S155 same S156	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/03/20 09:42
S159	229	(369/47.48).CCL.S.	US-PGPUB; USPAT	OR	OFF	2009/03/20 09:42

S160	26987	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/03/20 09:42
S161	31	S159 AND S160	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/03/20 09:42
S162	234	(369/47.48).CLS.	US-PGPUB; USPAT	OR	OFF	2009/08/20 15:16
S163	27673	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/08/20 15:16
S164	31	S162 AND S163	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:16
S165	243368	(clock timing sync\$10) near2 generat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S166	48134	spindle adj2 motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S167	282662	(channel frequenc\$6) near2 (receiv\$3 demodulat \$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S168	20	S167 same S165 same S166	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S169	243368	(clock timing sync\$10) near2 generat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S170	48134	spindle adj2 motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S171	224082	video near2 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17
S172	39	S171 same S169 same S170 and (record\$3 writ \$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/20 15:17

8/25/2009 2:45:15 PM

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